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RAW SEQUENCE LISTING

DATE: 02/19/2002

PATENT APPLICATION: US/10/058,580

TIME: 11:10:12

Input Set : A:\98-76D1.SEQ.txt

Output Set: N:\CRF3\02192002\J058580.raw

3 <110> APPLICANT: Sheppard, Paul O.
 4 Novak, Julia E.
 5 Raymond, Fenella
 7 <120> TITLE OF INVENTION: Tumor Marker Zsig62
 9 <130> FILE REFERENCE: 98-76
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/058,580
 C--> 11 <141> CURRENT FILING DATE: 2002-01-28
 11 <160> NUMBER OF SEQ ID NOS: 8
 13 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 2334
 17 <212> TYPE: DNA
 18 <213> ORGANISM: Homo sapiens
 20 <220> FEATURE:
 21 <221> NAME/KEY: CDS
 22 <222> LOCATION: (20)...(316)
 24 <400> SEQUENCE: 1
 25 cagggtcatgt cattccaga atg tgt tgc tgg cct tct cca tgg gtg cag gga 52
 26 Met Cys Cys Trp Pro Ser Pro Trp Val Gln Gly
 27 1 5 10
 29 agc cct ggc att tgg cat ttg tgg gca gtg ttg gcg tgc cac ctg ggt 100
 30 Ser Pro Gly Ile Trp His Leu Trp Ala Val Leu Ala Cys His Leu Gly
 31 15 20 25
 33 cac agc agc agc agg cag gga atc ctg aga cat cgc cct ggg gga gcc 148
 34 His Ser Ser Ser Arg Gln Gly Ile Leu Arg His Arg Pro Gly Gly Ala
 35 30 35 40
 37 ctg cct tct acc cca ggc tgt aca atg acg agt act ctt gga caa aga 196
 38 Leu Pro Ser Thr Pro Gly Cys Thr Met Thr Ser Thr Leu Gly Gln Arg
 39 45 50 55
 41 ccc ctc ttg caa ggc tgc gag gac atc atg gtc cag ccc gag gga gat 244
 42 Pro Leu Leu Gln Gly Cys Glu Asp Ile Met Val Gln Pro Glu Gly Asp
 43 60 65 70 75
 45 tta tct ttg att gtc ttg agt gct gca tca gct aag aca aaa acc aca 292
 46 Leu Ser Leu Ile Val Leu Ser Ala Ala Ser Ala Lys Thr Lys Thr Thr
 47 80 85 90
 49 gag tca gag gga aaa aaa acg tcc tgatgaggat tgtgcaattt ccggaccatc 346
 50 Glu Ser Glu Gly Lys Lys Thr Ser
 51 95
 53 attttttaaa aattataaat tatgaaatcc cacattttca atcccaattt ctggaacgtg 406
 54 ttttattttg agcacagaat ggcaacatcc caggaaaaaa agtcatgctc ccattttgct 466
 55 tgtaatcaag tgagctggaa ctgaccctac cccaaatatt ttttgaatag ggaaaagact 526
 56 caactggacc cctctaagga ctgggagctg gcatggagct ggcatcttct gagactgact 586
 57 tgagaagagc ctgataacgc ctagaggaaa caggcagggt tttgcgagca ggggaagatg 646

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58 atagtgggtg ggtggggagc tggcgagggt gccccaggca gaggcaccgt gtgtgtgcaa 706
59 aggcctgcag gtggagaagg gcctgggact cttggagaat ggcaggaaagt ttggtgtgcc 766
60 tgtagtctat gagccaggct cagggcagca aaggtctgtc ctgcagggtgt tgtgatgagc 826
61 tgtaccactt agtgggcacc atcaagatga acagagagta acacgggtggc actgagaact 886
62 tgagaacagc tcaactctaga atgaactgtg tcctccaaag tgtgcagagc caatacctag 946
63 ggggtcccaa ggtgactgag cacgggcaca gatccagcag caaatccccc cagtccaaga 1006
64 gctgttcttt ccattctctg ttctttccat tctctgttct tctggtcctt ctgcttatgg 1066
65 caaggtgaaa gtcacagggt gaattgtccc tatcacctct ccacacacct gatctccttt 1126
66 tacaacaaag agcaagcatc ctctacaaca aagcctttgg ttggtgtcag tgcttggtg 1186
67 ggaggaagta actgttgttt ttactgtgtt taatttctact cctgccgtct gttcacggca 1246
68 ccagtgatca ggttctctgc cagtgggagt gatagaaagt taccttttta aagtaaattt 1306
69 cttggaacgc aaaaaacaag ccaagttaaa taaaaataca aaatatgggg ccaggcgcg 1366
70 tggctcgtgc ctgtcatccc agcactttgg gaggtgaga cgggtggatca cctgagggtca 1426
71 ggagtttgag accagcctga ccaacaaggt gaagccccgt ctctactaaa aatacaaaaa 1486
72 ttagccgggc gtggtggcag gcacctgtag tcccagctac tcggggaggct gggacagagg 1546
73 aattgcttga acccgggagg cggagggttg agtgagccga gatcacgcca ccaactgca 1606
74 ccagcctggg tgacggagcg agatgccatt tcaaaaacaa aacaaaatat gtactggtac 1666
75 cagtacacag taggaagggt ggcaaaactt gggaaggggg atattcaaa gacagggttt 1726
76 gggaaatgct ggatcaaggt cggggaagaa ggagaactga gaggtgtta taatttagag 1786
77 aagtgttctc cagagtggg gccagcagcc aggcgcctg gctcatgcct gtaaccttaa 1846
78 cactttggga ggtctaggcg ggaggattgc ctgagcccag gagttcgagt ccagcttgtg 1906
79 caacatagtg agatgctgtc tctacaaaaa atttaaaaa tagctggtgt cctctcagt 1966
80 tgtcttgtcc tctccatggt tctaaaaata aggaagaaag gccagcgca gtggcgta 2026
81 cctatagtct cagcactttg ggaggccaag gtgggcagat cacttgaggt caggagtct 2086
82 agaccagcct ggctaacatg gcaaaacctt gtttctactg gaaatacaaa aattagctag 2146
83 gcgtggtggt gcacgcctgt aatcccagct acttgggagg ctgagggagg agaaccgct 2206
84 gagcctggga ggcagaggct gcagtgagcc aagatcacac actgcactcc agcctgggtg 2266
85 acagagcgag actccatctc aaataaataa ataaataaat aaaaataaat acataaatac 2326
86 ataaaata 2334
88 <210> SEQ ID NO: 2
89 <211> LENGTH: 99
90 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 2
94 Met Cys Cys Trp Pro Ser Pro Trp Val Gln Gly Ser Pro Gly Ile Trp
95 1 5 10 15
96 His Leu Trp Ala Val Leu Ala Cys His Leu Gly His Ser Ser Arg
97 20 25 30
98 Gln Gly Ile Leu Arg His Arg Pro Gly Gly Ala Leu Pro Ser Thr Pro
99 35 40 45
100 Gly Cys Thr Met Thr Ser Thr Leu Gly Gln Arg Pro Leu Leu Gln Gly
101 50 55 60
102 Cys Glu Asp Ile Met Val Gln Pro Glu Gly Asp Leu Ser Leu Ile Val
103 65 70 75 80
104 Leu Ser Ala Ala Ser Ala Lys Thr Lys Thr Thr Glu Ser Glu Gly Lys
105 85 90 95
106 Lys Thr Ser
108 <210> SEQ ID NO: 3
109 <211> LENGTH: 297

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```

110 <212> TYPE: DNA
C--> 111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: This degenerate sequence encodes the amino acid
115 sequence of SEQ ID NO:2.
117 <221> NAME/KEY: variation
118 <222> LOCATION: (1)...(297)
119 <223> OTHER INFORMATION: N is any nucleotide.
121 <400> SEQUENCE: 3
W--> 122 atgtgytgyt ggcenwsncc ntgggtncar ggnwsnccng gnathtgcca yynttgggcn 60
W--> 123 gtntytngcnt gycayytnng ncaywsnwsn wsnmgncarg gnathytng ncaymgncn 120
W--> 124 ggnggngcny tncnwsnac nccnggntgy acnatgacnw snacnytnng ncarmgnccn 180
W--> 125 ytnytnccarg gntgygarga yathatggtn carccngarg gngayytnws nytnathgtn 240
W--> 126 ytnwsngcng cnwsngcnaa racnaaracn acngarwsng arggnaaraa racnwsn 297
128 <210> SEQ ID NO: 4
129 <211> LENGTH: 23
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: PCR primer
136 <400> SEQUENCE: 4
137 ctgatgcagc actcaagaca atc 23
139 <210> SEQ ID NO: 5
140 <211> LENGTH: 24
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: PCR primer
147 <400> SEQUENCE: 5
148 ggcatttgtg ggcagtgttg gggc 24
150 <210> SEQ ID NO: 6
151 <211> LENGTH: 18
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: PCR primer
158 <400> SEQUENCE: 6
159 ggagctggca tcttctga 18
161 <210> SEQ ID NO: 7
162 <211> LENGTH: 18
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: PCR primer
169 <400> SEQUENCE: 7
170 tccccaccca cccactat 18
172 <210> SEQ ID NO: 8
173 <211> LENGTH: 16
174 <212> TYPE: PRT

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Input Set : A:\98-76D1.SEQ.txt

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175 <213> ORGANISM: Artificial Sequence

177 <220> FEATURE:

178 <223> OTHER INFORMATION: Peptide linker

180 <400> SEQUENCE: 8

181 Gly Gly Ser Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser

182 1

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/058,580

DATE: 02/19/2002

TIME: 11:10:13

Input Set : A:\98-76D1.SEQ.txt

Output Set: N:\CRF3\02192002\J058580.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:111 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3